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FY-68
QUARTERLY REPORT
No. 1
31 August 1967

(1 June 1967 - 31 August 1967)

Prepared by:

25X

[Redacted Signature Box]

5X1 Approved by:

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Date: 3 October 1967

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SUMMARY

X1 1. This Contract [] FY-68 Quarterly Report No. 1 is submitted in lieu of the August 1967 Monthly Report and covers progress for the months of June, July, and August 1967.

2. Detailed reports on approved, active PARs are found in Section II of this report.

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SECTION I

INTRODUCTION

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DISCUSSION

3. PAR Status. The table below lists all PARs in numerical order for ready reference, and the title (condensed in some cases) and status of each.

<u>PAR</u>	<u>Title</u>	<u>Status</u>
201	Travel and Liaison	Completed
202/ 224	Briefing Print Enlarger/ 3X - 15X Enlarger	Completed/TWX 6351 dtd 21 Jan 66
203	Rapid Access Printer	Completed 4 Aug 65
204	Contact Chip Printer	Termination Rpt completed 27 Jan 65
205	Precision 4X Enlarger	Termination Rpt completed 27 Jan 65
206	Reversal Processing Study	Completed 21 May 65
207	Contact Printer Study	Completed 6 Apr 66
208	Non-Elec. Image Enhancement	Cancelled
209	Phosphor Viewer	Cancelled
210	Laminated Slides	Completed 4 Sep 64
211	Processing Effects Study	Completed 28 Oct 65
212	Color Acq. System Review	Completed 28 Oct 65
213	Color Reprod. Review	Completed 13 Aug 65
214	Roller Transport Processor (12-Inch)	Closed/TWX 7284 dtd 23 May 66
215	Roller Transport Processor (24-Inch)	Closed/TWX 7284 dtd 23 May 66
216	Laser Photographic Exposure	Completed 12 Feb 65
217	Optimization of Lasers	Completed 9 Nov 65
218	Autofocus Systems	Not to be submitted
219	Opt. vs Contact Ptg. 1:1	Not to be submitted
220	Static Elec. Hold-Down	Disapproved

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PAR	Title	Status
221	Lens Bench Manual	Not to be submitted
222	Auto Stereo Registrn System	Completed 3 Mar 65
223	Monochr. Lens System	Disapproved
225	Micro-D Training Program	Terminated
226	Edge Trace Meas., Micro-D	Completed
227	Color Viewer	Disapproved
228	Vectograph Study	Not to be submitted
229	Optical Design Film Viewer	Not to be submitted
230	10X Color Lens	Disapproved
231	10-20-40X Color Lamphouse	Disapproved
232	Automated Edge Trace Device	Disapproved
233	Zoom (6X to 60X) Projection Lens	Terminated/TWX 7878 dtd 26 Jul 66
234	MTF Exposure Device	Disapproved
235	Automation Program Study	Disapproved
236	Film Disposal Rewind Unit	Disapproved
237	Briefing Aids	Completed 25 Jul 65
238	Equipment Installation	Closed/TWX 7284 dtd 23 May 66
239	Administration	Closed
240	Not Assigned	-
241	Not Assigned	-
242A	Color Demonstration Material	Completed 29 Mar 66
243A	Briefing Print Enlarger	Active
244	Spare Parts for RT Processors	Active
245	BPE High Magnification Lens Sets	Active
246	RT-12 and RT-24 Operational Improvements	Active
247	Base Spare Parts Kit	Awaiting customer action
284	BPE High Magnification Lens Set	Awaiting customer action

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SECTION II

PAR PROGRESS

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PAR 243A

31 Aug 67

SUBJECT: Briefing Print Enlarger (Prototype)

TASK/PROBLEM

1. Design, fabricate, and test a prototype briefing print enlarger (BPE) based upon tests and observations of the breadboard equipment developed on the combined PAR 202/224.

DISCUSSION

2. In-house testing of the prototype BPE was completed and approved by the customer's representatives during the week of 19 to 23 June.

3. The prototype (serial number 001) was delivered to the customer, installed, checked out, and accepted by the customer during the week of 26 to 30 June.

4. Ten copies of the preliminary Operation and Maintenance Manual were delivered with the prototype model.

5. Final revisions to drawings have been made and all drawings have been released to drawing change control.

6. The final report has been completed and is being reviewed.

PLANNED ACTIVITY

7. Publish the final report.

8. Complete the final version and publish the Operation and Maintenance Manual.

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PAR 244

31 Aug 67

SUBJECT: Spare Parts for RT Processors

TASK/PROBLEM

1. Provide recommended spare parts for the RT-12 and RT-24.

DISCUSSION

2. A partial shipment to the customer consisting of approximately 25 percent of the total parts, was made on 21 July 1967. Previously, two partial shipments were made, each consisting of 25 percent of the parts.

3. The last 25 percent of the parts have now been received by the contractor, and inspection of these parts is nearing completion.

PLANNED ACTIVITY

4. Ship the remaining parts (25 percent) to the customer by 30 September 1967.

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PAR 245

31 Aug 67

SUBJECT: BPE High-Magnification Lens Sets

TASK/PROBLEM

1. Design, fabricate, and test prototype optical systems to extend the Briefing Print Enlarger (prototype) PAR 243A upper limit magnification range from 60X to 140X - 160X.

DISCUSSION

2. Fabrication of the following assemblies was completed:

a. The condenser assemblies required for in-house testing of the high-magnification lenses in the breadboard BPE.

b. The two objective lens focus barrel assemblies. These items were subsequently checked out mechanically and found to be acceptable.

c. The two objective lens optical assemblies.

3. The fabrication of mechanical parts for the deliverable condenser assemblies was completed. The assemblies are due to be completed on or about 22 September 1967. The lens elements for these assemblies have also been completed.

PLANNED ACTIVITY

4. Conduct lens performance tests on the BPE breadboard using the breadboard condenser assemblies.

5. Deliver the completed lenses and deliverable condenser assemblies to the customer. At the customer's installation, align and check out the condenser assemblies, and check out the lens and condenser assembly combinations on the prototype BPE.

6. Prepare the final report.

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PAR 246

31 Aug 67

SUBJECT: RT-12 and RT-24 Operation Improvements

TASK/PROBLEM

1. Conduct necessary design, fabrication, and test effort to implement operational improvements to the RT-12-inch and RT-24-inch Processors as requested by the customer.

DISCUSSION

2. During the quarter, contractor personnel visited the customer's facility to discuss the need for replacement parts and alterations which had been requested previously by the customer. The customer requested a cost estimate for the parts and services determined necessary in this discussion.

3. The estimate was prepared and submitted in August 1967.

4. The contractor is now waiting for authorization to proceed and information on whether all estimated items are approved.

PLANNED ACTIVITY

5. Take action as authorized and directed by the customer.

6. Continue monitoring this program.

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SECTION III

FISCAL SUMMARY

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